

3-16-06

Docket No. 5640/C01/DISPLAY/AHRDWR/RKK

JW F

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Re: Inventor(s): Emanuel Beer and Kenneth E. Baumel
Title: APPARATUS AND METHOD FOR THERMALLY ISOLATING A HEAT CHAMBER
Serial No.: 10/736,196
Filed: December 15, 2003
Examiner: Karla A. Moore
Group Art Unit: 1734

Transmitted herewith is:

- PTO Form 1449;
 Information Disclosure Statement with thirty-nine cited references (copy of six references enclosed);
 Return Postcard.

FEE CALCULATION					
Fee Items	Claims Filed	Included With Basic Fee	Extra Claims	Fee Rate	Total
Total Claims	N/A	- 20 =	-0-	X \$50.00	\$0.00
Independent Claims	N/A	- 3 =	-0-	X \$200.00	\$0.00
Basic Filing Fee (\$300.00), Utility Search Fee (\$500.00), Utility Examination Fee (\$200.00)				\$1000.00	\$0.00
TOTAL FEES					PAID

- The Commissioner is hereby authorized to charge \$180.00 to Deposit Account No. 04-1696.
 The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 04-1696. A duplicate copy of this transmittal is enclosed.

Please address all future correspondence to:
Customer # 41161
Dugan & Dugan, PC
55 South Broadway
Tarrytown, NY 10591

I hereby certify that this correspondence is being deposited with the United States Postal Service as express mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Express Mail Receipt No. EV854243308US

Date of Deposit: 3/16/06

Signature:

Respectfully submitted,

Brian M. Dugan
Registration No. 41,720
(914) 332-9081

Express Mail Label No. EV854243308US

PATENTS
5640/C01/DISPLAY/AHRDWR/RKK



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Emanuel Beer and Kenneth E. Baumel

Serial No. : 10/736,196

Filed : December 15, 2003

For : APPARATUS AND METHOD FOR THERMALLY ISOLATING
A HEAT CHAMBER

Group Art Unit : 1734

Customer No. : 41161

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. §§ 1.56 and 1.97,
applicants wish to call the attention of the Examiner to the
following references:

U.S. Patent No. 2,831,951, G.B. Desloge

U.S. Patent No. 3,759,662, Bengel et al.

U.S. Patent No. 3,978,815, Carrara

U.S. Patent No. 4,015,558, Small et al.

U.S. Patent No. 4,376,672, Wang et al.

U.S. Patent No. 4,427,378, Bowers

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U.S. Patent No. 4,497,364, Cheadle et al.

U.S. Patent No. 4,531,047, Canfield et al.

U.S. Patent No. 4,531,074, Nagy et al.

U.S. Patent No. 4,586,898, Orbeck

U.S. Patent No. 5,017,131, Sato et al.

U.S. Patent No. 5,108,792, Anderson et al.

U.S. Patent No. 5,121,705, Sugino

U.S. Patent No. 5,172,849, Barten et al.

U.S. Patent No. 5,215,315, Belter

U.S. Patent No. 5,256,061, Cress

U.S. Patent No. 5,294,572, Granneman et al.

U.S. Patent No. 5,441,768, Law et al.

U.S. Patent No. 5,512,320, Turner et al.

U.S. Patent No. 5,601,686, Kawamura et al.

U.S. Patent No. 5,607,009, Turner et al.

U.S. Patent No. 5,614,055, Fairbairn et al.

U.S. Patent No. 5,769,952, Komino

U.S. Patent No. 5,861,107, Buysch et al.

U.S. Patent No. 5,865,896, Nowak et al.

U.S. Patent No. 5,928,732, Law et al.

U.S. Patent No. 5,950,328, Ichiko et al.

U.S. Patent No. 5,980,991, Sakamoto et al.

U.S. Patent No. 6,000,227, Kroeker

U.S. Patent No. 6,037,574, Lanham et al.

U.S. Patent No. 6,054,688, Moschini

U.S. Patent No. 6,261,091, Sakamoto et al.

U.S. Patent No. 6,284,006, Siefering et al.

Foreign Art Reference No. JP 61161710 A (Japan)

Foreign Art Reference No. JP 01082453 A (Japan)

Sybil P. Parker, Chief Editor, "McGraw-Hill

Encyclopedia of Physics", Second Edition, McGraw-Hill, Inc., pg

205-212, 1993.

WATLOW, "Heated Parts (Cast-in and IFC)",

www.watlow.com, Printed 3/29/01.

WATLOW, "Functional Components Custom Design For Your Application", www.watlow.com, Watlow Electric Manufacturing Company, 1998.

Ivan Noels, "Thermal Conductivity of the Elements",

http://le-village.ifrance.com/okapi/thermal_conductivity.htm,

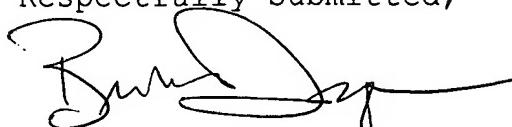
Printed 3/30/01.

Please charge deposit account No. 04-1696 in the amount of \$180.00 for consideration of this information disclosure statement under 37 C.F.R. § 1.97(c)(2).

These references are also listed on the accompanying Information Disclosure Statement (Form PTO-1449).

Consideration of the foregoing in relation to this
patent application is respectfully requested.

Respectfully Submitted,



Brian M. Dugan, Esq.
Registration No. 41,720
Dugan & Dugan, PC
Attorneys for Applicants
(914) 332-9081

Dated: 3/15/06
Tarrytown, New York

U.S. Department of Commerce, Patent and Trademark Office

Docket No.:
5640/C01/DISPLAY/AHRDWR/RKKSerial No.:
10/736,196

RELEVANT ART CITED BY APPLICANT

(Use several sheets if necessary)

Applicants:

Emanuel Beer and Kenneth E. Baumel

Filing Date:

December 15, 2003

Group:

1734

Patent Documents

*Examiner Initial		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
	US-1	2,831,951	04/22/58	G.B. Desloge			
	US-2	3,759,662	09/18/73	Bengel et al.			
	US-3	3,978,815	09/07/76	Carrara			
	US-4	4,015,558	04/05/77	Small et al.			
	US-5	4,376,672	03/15/83	Wang et al.			
	US-6	4,427,378	01/24/84	Bowers			
	US-7	4,497,364	02/05/85	Cheadle et al.			
	US-8	4,531,047	07/23/85	Canfield et al.			
	US-9	4,531,074	07/23/85	Nagy et al.			
	US-10	4,586,898	05/06/86	Orbeck			
	US-11	5,017,131	05/21/91	Sato et al.			

Foreign Patent Documents

Translation

		Document Number	Date	Country	Class	Subclass	Yes	No
	F-1	JP 61161710 A	07/22/86	Japan			Abstract	
	F-2	JP 01082453 A	03/28/89	Japan			Abstract	
	F-3							
	F-4							
	F-5							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	OT-1	Sybil P. Parker, Chief Editor, "McGraw-Hill Encyclopedia of Physics", Second Edition, McGraw-Hill, Inc., pg 205-212, 1993.
	OT-2	WATLOW, "Heated Parts (Cast-in and IFC)", www.watlow.com, Printed 3/29/01.
	OT-3	WATLOW, "Functional Components Custom Design For Your Application", www.watlow.com, Watlow Electric Manufacturing Company, 1998.

Examiner	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

U.S. Department of Commerce, Patent and Trademark Office				Docket No.: 5640/C01/DISPLAY/AHRDWR/RKK		Serial No.: 10/736,196		
LIST OF RELEVANT ART CITED BY APPLICANT (Use several sheets if necessary)				Applicants: Emanuel Beer and Kenneth E. Baumel				
				Filing Date: December 15, 2003		Group: 1734		
U.S. Patent Documents								
*Examiner Initial		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate	
	US-12	5,108,792	04/28/92	Anderson et al.				
	US-13	5,121,705	06/16/92	Sugino				
	US-14	5,172,849	12/22/92	Barten et al.				
	US-15	5,215,315	06/01/93	Belter				
	US-16	5,256,061	10/26/93	Cress				
	US-17	5,294,572	03/15/94	Granneman et al.				
	US-18	5,441,768	08/15/95	Law et al.				
	US-19	5,512,320	04/30/96	Turner et al.				
	US-20	5,601,686	02/11/97	Kawamura et al.				
	US-21	5,607,009	03/04/97	Turner et al.				
	US-22	5,614,055	03/25/97	Fairbairn et al.				
Foreign Patent Documents Translation								
		Document Number	Date	Country	Class	Subclass	Yes	No
	F-6							
	F-7							
	F-8							
	F-9							
	F-10							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	OT-4	Ivan Noels, "Thermal Conductivity of the Elements", http://le-village.ifrance.com/okapi/thermal_conductivity.htm , Printed 3/30/01.						
	OT-5							
	OT-6							
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U.S. Patent Documents							
*Examiner Initial		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
	US-23	5,769,952	06/23/98	Komino			
	US-24	5,861,107	01/19/99	Buysch et al.			
	US-25	5,865,896	02/02/99	Nowak et al.			
	US-26	5,928,732	07/27/99	Law et al.			
	US-27	5,950,328	09/14/99	Ichiko et al.			
	US-28	5,980,991	11/09/99	Sakamoto et al.			
	US-29	6,000,227	12/14/99	Kroeker			
	US-30	6,037,574	03/14/00	Lanham et al.			
	US-31	6,054,688	04/25/00	Moschini			
	US-32	6,261,091	07/17/01	Sakamoto et al.			
	US-33	6,284,006	09/04/01	Siefering et al.			

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		Document Number	Date	Country	Class	Subclass	Yes	No
	F-11							
	F-12							
	F-13							
	F-14							
	F-15							

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OT-7	
OT-8	
OT-9	

Examiner Date Considered

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